EREZTECH LLC
11555 Medlock Bridge Road, Suite 100, Johns Creek, GA 30097, USA
T: +1.888.658.1221 F: 1.678.619.2020
E: info@ereztech.com W: https://ereztech.com

SAFETY DATA SHEET

Section 1. Identification

Product Name: Trimethylbismuthine
Product Type: Liquid
CAS Number: 593-91-9
Product Number: BI3919
Product Manufacturer: Ereztech LLC
11555 Medlock Bridge Road, Suite 100
Johns Creek, GA 30097
Product Information: (888) 658-1221
In Case of an Emergency: CHEMTREC: 1-800-424-9300 (USA);
+1 703-527-3887 (International); CCN836180
*** Contact manufacturer for all non-emergency calls.

Section 2. Hazards Identification

Appearance/Odor: Clear, colorless liquid; odor not determine.
Classification: FLAMMABLE LIQUIDS - Category 2, H225
PYROPHORIC LIQUIDS - Category 1, H250
ACUTE TOXICITY, ORAL - Category 4, H302
ACUTE TOXICITY, DERMAL - Category 3, H311
SKIN CORROSION/IRRITATION - Category 1B, H314
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1, H318

GHS Label Elements
Hazard Pictograms:

Signal Word: DANGER
Hazard Statements: H225: Highly flammable liquid and vapor.
H250: Catches fire spontaneously if exposed to air.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

Section 2. Hazards Identification

Precautionary Statements

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P222: Do not allow contact with air.
P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/handling equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe sprays, mists, vapors or gases.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you fell unwell.
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P52: IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P330: Rinse mouth.
P334 + P335: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P363: Wash contaminated clothing before reuse.
P370 + P378: In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide for extinction. DO NOT USE WATER.

Storage:

P403 + P235: Store in a well ventilated place. Keep cool.
P405: Store locked up.
P422: Store under inert gas.

Disposal:

P501: Dispose of contents/ container to an approved wasted disposal plant.

OSHA/HCS Status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 2. Hazards Identification

Hazards Not Otherwise Classified (HNOC): None identified.

Section 3. Composition/Information on Ingredients

Substances

Synonyms : Trimethylbismuth; trimethylbismutin; bismuth trimethyl.
Formula : C_3H_9Bi
Molecular Weight : 254.08 g/mol
CAS-No. : 593-91-9

Ingredient Name	%	CAS Number
Trimethylbismuthine	≥ 98	593-91-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of Necessary First Aid Measures

General Advice: Move out of dangerous area. Call a POISON CENTER or doctor/physician immediately. Show this safety data sheet to the doctor in attendance. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Rinse for a minimum of 15 minutes. Check for and remove any contact lenses after initial rinse period and continue rinsing for an additional 15 minutes. Keep eyes wide open during rinsing process. Call a POISON CENTER or doctor/physician immediately.

Skin Contact: Remove all contaminated clothing and shoes. Wash off contaminated skin with soap and plenty of water. Call a POISON CENTER or doctor/physician immediately.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Call a POISON CENTER or doctor/physician immediately.

Ingestion: Do NOT induce vomiting. Rinse mouth. Remove dentures if any. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Section 4. First Aid Measures

Ingestion (cont.): Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician immediately.

Most Important Symptoms/Effects, Acute and Delayed Potential Acute Health Effects

Eye Contact: Causes serious eye damage. Symptoms may include watering, redness, pain, swelling of the eyelids, inability to keep eye open, blurred vison and temporary/permanent loss of vision.

Inhalation: Product is extremely corrosive to mucous membranes and tissues of the upper respiratory tract. Symptoms may include a burning sensation, coughing, coughing up blood (hemoptysis), wheezing, laryngitis, shortness of breath/ difficulty in breathing (dyspnea), blueness (cyanosis) of lips and skin, nausea, headaches, disorientation, general weakness and loss of consciousness.

Skin Contact: Skin contact with this product is toxic and may also be expected to cause (severe) chemical burns. Corrosion symptoms may include reddening of skin, a burning or itching sensation, pain, blistering and tissue necrosis. Toxicity symptoms may include effects on seizure threshold (lungs, thorax, respiration), convulsions, cyanosis, nausea and vomiting.

Ingestion: Ingestion may be expected to result in burns of the mouth and throat and potential perforation of the esophagus and stomach. Symptoms may include pain when swallowing (odynophagia), difficulty swallowing (dysphagia), fever, nausea, recurrent vomiting (emesis) and vomiting of blood (hematemesis). Severe burns which may be accompanied by perforation of the esophagus and stomach may present additional symptoms of abdominal pain/rigidity, chest and/or back pain.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician: Treat symptomatically.

Specific Treatments: No specific treatment.

Protection of First Responders: No action taken shall be taken involving any personal risk without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See Toxicological Information (Section 11)

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: THE MOST EFFECTIVE FIRE EXTINGUISHING AGENT IS DRY CHEMICAL POWDER PRESSURIZED WITH NITROGEN. Vermiculite, sand, dry chemical or carbon dioxide (CO_2) may also be used. CAUTION: REIGNITION MAY OCCUR.

Section 5. Fire Fighting Measures

Unsuitable Extinguishing Media: DO NOT USE FOAM OR WATER as extinguishing agents as product reacts violently to produce toxic/flammable fumes and vapors which may ignite spontaneously upon contact with these agents.

Unusual Fire and Explosion Hazards: Product is PYROPHORIC and may decompose explosively if heated above 100 °C. Product ignites on exposure to air and reacts violently with water to produce flammable gases which may ignite spontaneously. In case of fire, reignition of the product may occur after the fire has been extinguished. Product runoff to sewer may create a fire or explosion hazard. Vapors/gases released when product is exposed to moisture in air or water are heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to an ignition source and flashback.

Product of Combustion: Products of complete combustion are carbon oxides (CO_x), and bismuth oxide fumes. Products of incomplete combustion may include corrosive and potentially toxic fumes.

Protection of Firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Avoid contact with skin or eyes. Avoid breathing sprays, mists, aerosols, vapors and gases.

Eliminate all local and distant ignition sources. Move containers from fire area if process can be accomplished without risk to firefighters. Do not cut, grind, drill or weld on or near product containers (even empty) of this product because an explosion may result.

Fire-fighters should wear appropriate protection equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid inhalation of fumes, aerosols and vapors.

Section 6. Accidental Release Measures

For Non-Emergency Personnel: (cont.) Provide adequate ventilation. Wear respiratory protection. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".

Environmental Precautions: Do not allow dispersal of spilled material and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment

General: Spilled material will likely give off smoke and fumes. Ignition may occur immediately. Eliminate all local and distant ignition sources. Move containers from spill area if safe to do so. Avoid allowing the spilled material to get wet or using water to clean up spillages or residues. Use spark-proof tools and explosion-proof equipment.

Small Spill: Contain and collect spillage with non-combustible, dry absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

Large Spill: Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, dry absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Precautions: Product is PYROPHORIC and may ignite spontaneously on contact with air. Product is moisture sensitive; handle under a dry, inert gas. Nitrogen with less than 5 ppm each of moisture and oxygen is recommended. Keep away from all sources of ignition – NO SMOKING. Keep container tightly sealed.

Section 7. Handling and Storage

Precautions (cont.): Avoid contact with skin, eyes and clothing. Avoid the formation and inhalation of sprays, mists, vapors and gases. Do not ingest. Avoid prolonged exposure. Ensure adequate ventilation.

Protective Measures: Protect against electrostatic charges. Use explosion-proof electrical/ventilating/lighting/handling equipment. Use only non-sparking tools and equipment. Handle under a dry inert gas. Put on appropriate personal protective equipment (see Section 8). Keep in the original container kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Safe Storage Conditions: Product is PYROPHORIC and may ignite spontaneously on contact with air. Product is moisture sensitive; store under an inert gas. Nitrogen with less than 5 ppm each of moisture and oxygen is recommended. Store refrigerated at 2 – 8 °C. Keep away from all sources of ignition – NO SMOKING. Store in original container protected from direct sunlight in a dry and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Store locked up.

Section 8. Exposure Controls/Personal Protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and conduct regular repairs. Waste from these procedures should be handled in accordance with Section 13.

Occupational Exposure Limits: Product contains no substances with occupational exposure limit values.

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Provide an eyewash/shower station.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Remove all soiled and contaminated clothing immediately. Do not inhale fumes, aerosols or vapors. Avoid contact with eyes and skin. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or aerosols. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles, faceshield (8-inch minimum). Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

Skin Protection

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Section 8. Exposure Controls/Personal Protection

Hand Protection (cont.): Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. For full contact, use Neoprene or nitrile rubber.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear, colorless.
Odor:	No data available.
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	110 °C (230 °F) decomposes.
Flash Point:	<0 °C (< 32 °F).
Auto-ignition temperature:	No data available.
Specific Gravity:	2.3 g/ml
Vapor Pressure:	27 mm Hg @ 20 °C
Vapor Density:	No data available.
Water Solubility:	Reacts violently, may ignite upon contact.

Section 10. Stability and Reactivity

Reactivity: Product is PYROPHORIC and ignites when exposed to air and may decompose explosively at temperatures exceeding 100 °C.

Section 10. Stability and Reactivity

Reactivity (cont.): Product reacts violently with moisture in air, water and compounds containing active hydrogen such as alcohols and acids to release a highly flammable gas which may ignite spontaneously.

Chemical Stability: This product is stable when stored under a dry, inert atmosphere and away from heat. Nitrogen containing less than 5 ppm each moisture and air and a temperature range of 2 – 8 °C is recommended. This product is not sensitive to impact.

Conditions to Avoid: Exposure to air/water/moisture, sources of ignition (heat, flames, sparks, electrostatic discharge), extremes of temperature and direct sunlight.

Incompatible Materials: Air, water, compounds containing active hydrogen such as alcohols and acids and strong oxidizing agents.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products formed under fire conditions: carbon oxides (CO_X) and bismuth oxide fumes. Irritating and potentially toxic fumes may be generated during exposure to elevated temperatures or open flame. In the event of a fire: see section 5.

Possibility of Hazardous Reactions: Under normal conditions of storage and use noted above, hazardous reactions will not occur. Hazardous reactions or instability may occur under certain conditions of storage or use. Product is PYROPHORIC and ignites when exposed to air and may decompose explosively at temperatures exceeding 100 °C. Product reacts violently with water to release extremely flammable gases which may ignite spontaneously.

Section 11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity

Component	CAS No	Result	Species	Dose	Exposure
Trimethylbismuthine	593-91-9	LD50 Oral	Rabbit	484 mg/kg	-
		LD50 Intravenous	Dog	12 mg/kg	
		LD50 Subcutaneous	Dog	182 mg/kg	-

Section 11. Toxicological Information

Irritation/Corrosion : No specific data available. Product causes thermal and/or chemical burns to the skin, eyes and exposed mucous membranes.

Sensitization : No specific data available.

Germ Cell Mutagenicity : No effects known.

Carcinogenity

IARC : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity : This product is not expected to cause reproductive or developmental effects.

Teratogenicity : No specific data available.

Specific Target Organ Toxicity (Single Exposure) : Respiratory tract irritation/damage through thermal and chemical burns.

Specific Target Organ Toxicity (Repeated Exposure) : No specific data available.

Aspiration Hazard : No specific data available.

Information on the Likely Routes of Exposure : Common routes of exposure: inhalation, dermal (failure to use skin protection), eye (failure to use safety eyewear). Less common: ingestion (failure to employ recommended hygiene measures (e.g. smoking or eating after handling product without washing hands or using hand protection).

Additional Information : To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been thoroughly investigated.

Section 12. Ecological Information

Numerical Measures of Toxicity

Toxicity to Fish : No specific data available.

Section 12. Ecological Information

Toxicity to Daphnia and Other Aquatic Invertebrates : No specific data available.

Toxicity to Algae : No specific data available.

Persistence and Degradability

Biodegradability : No specific data available.

Bioaccumulative Potential : No specific data available.

Mobility in Soil : No specific data available.

Other Adverse Effects : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13. Disposal Considerations

Waste Treatment Methods

Product

Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260-299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals.

Contaminated Packaging

Empty containers retain product residue (liquids, aerosols, vapors, gases) and can be dangerous. Dispose of as unused product. DO NOT EXPOSE SUCH CONTAINERS TO AIR, MOISTURE, HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section 14. Transport Information

	DOT	IMDG	IATA
UN Number	UN 3394	UN 3394	UN 3394
UN Proper Shipping Name	Organometallic substance, liquid, pyrophoric, water-reactive (Trimethylbismuthine)	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE (Trimethylbismuthine)	Organometallic substance, liquid, pyrophoric, water-reactive (Trimethylbismuthine)
Transport Hazard Classes	4.2 (4.3)	4.3 (3)	4.2 (4.3)
Packing Group	I	I	I
Environmental Hazards	-	-	-
Additional Information	-	EMS-No: F-G, S-M	IATA Passenger: Not permitted for transport.

Section 14. Transport Information

Special Precautions for User : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transporting in Bulk According to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

Section 15. Regulatory Information

TSCA (Toxic Substance Control Act):
This product is not listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory). Use of this product is restricted to research and development only. This product must be used under the supervision of a technically qualified individual as defined by the TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes.

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire Hazard (Flammable liquid), Reactivity Hazard (Pyrophoric liquid), Acute Health Hazard (Acute Toxicity (Oral, Dermal); Skin corrosion or irritation; Serious eye damage or eye irritation).

Massachusetts Right to Know Components
No components are subject to Massachusetts Right to Know Act.

Pennsylvania Right to Know Components
No components are subject to Pennsylvania Right to Know Act.

New Jersey Right to Know Components
No components are subject to New Jersey Right to Know Act.

California Proposition 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Trimethylbismuthine
Safety Data Sheet

Section 16. Other Information

National Fire Protection Association (U.S.A.)

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

HMIS Rating

HEALTH	**4**
FLAMMABILITY	**3**
PHYSICAL HAZARD	**3**

History

Date of Printing	:	4/14/2020
Date of Issue/Date of Revision	:	4/14/2020
Date of Previous Issue	:	None
References	:	None available.

Abbreviations and Acronyms

ACGIH: American Conference of Governmental Industrial Hygienists.
ATE: Acute Toxicity Estimate
CAS: Chemical Abstracts Service (division of the American Chemical Society).
DOT: US Department of Transportation.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS: Hazardous Materials Identification System.
HNOC: Hazards Not Otherwise Classified.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA).

Section 16. Other Information

Abbreviations and Acronyms (cont.)

IDLH: Immediately Dangerous to Life or Health (US National Institute for Occupation Health and Safety (NIOSH)).
IMDG: International Maritime Code for Dangerous Goods.
NFPA: National Fire Protection Association.
NIOSH: National Institute of Occupational Safety and Health.
NTP: National Toxicology Program.
OSHA: Occupational Safety and Health Administration.
PEL: Permissible Exposure Limits.
REL: Recommended Exposure Limits.
SARA: Superfund Amendments and Reauthorization Act.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limit Values (ACGIH).
TWA: Time Weighted Average.
VOC: Volatile Organic Compound.

Disclaimer

The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Ereztech LLC regarding the accuracy or completeness of the information. Ereztech LLC shall not be liable for any damages resulting from the handling, or from the contact with the above product.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.